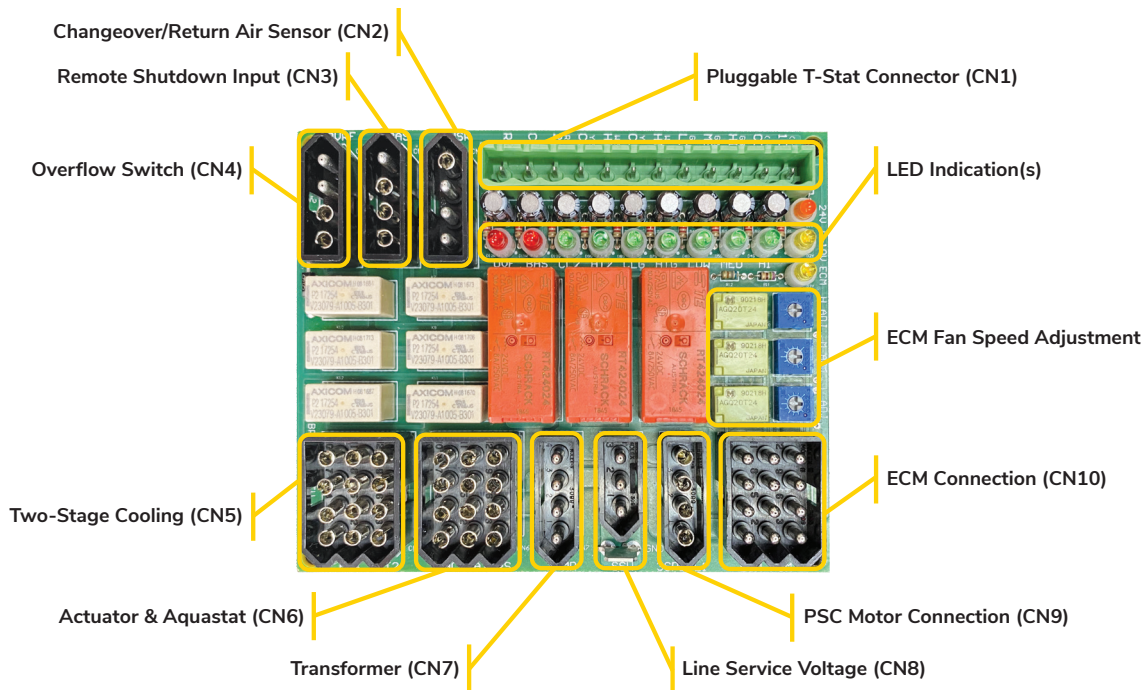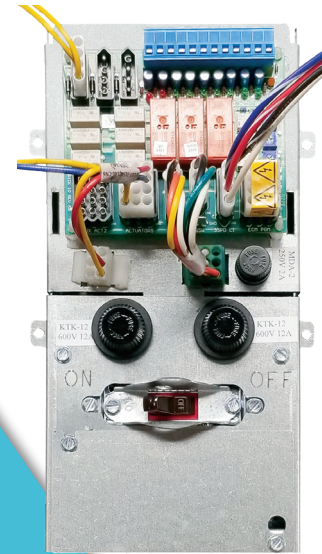# IEC®
International Environmental

A **NIBE** GROUP MEMBER

Control Board
85 Series

The 85 Control Board offers simplified install and service with its plug-in connections and QR code for quick wiring diagram reference and after market parts.

It also offers LED diagnostics, including a condensate overflow indicator. The board also offers built-in design flexibility for added features such a staged cooling or BAS signal input. The 85 Control Board is available with most controls schemes.

Changeover/Return Air Sensor (CN2)

Remote Shutdown Input (CN3)

Overflow Switch (CN4)

Pluggable T-Stat Connector (CN1)

LED Indication(s)

ECM Fan Speed Adjustment

ECM Connection (CN10)

Two-Stage Cooling (CN5)

Actuator & Aquastat (CN6)

PSC Motor Connection (CN9)

Transformer (CN7)

Line Service Voltage (CN8)

Market Applications

Higher Education

K-12 Education
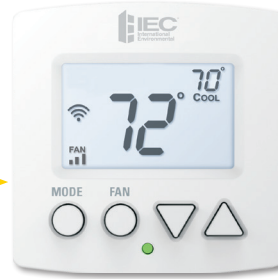
Hospitality

Multi-family Residential

Office

Healthcare

Control Board
85 SERIES

Owner Benefits

- Reduced installation time
- BAS input for seamless connection to existing systems
- Option for 2-stage cooling for humidity management*
  *Compatible with IEC Venture Wi-Fi Thermostat
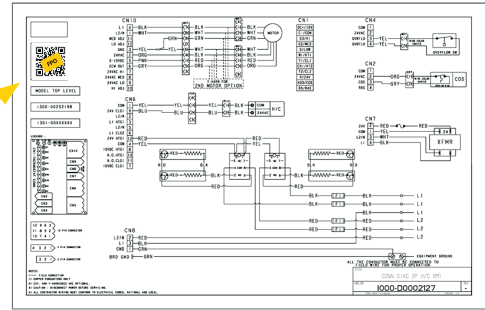- Readily accepts Bipolar Ionizer for IAQ solutions

Venture Wi-Fi Thermostat
E055-71520330

Plasma Air Bipolar Ionizer
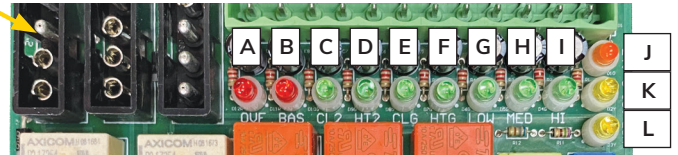*G100-71542101*

Installer Benefits

- Simple plug-in connections
- Consistent wiring diagram nomenclature & identification
- LED power indicators
- 11" x 17" wiring diagram shipped with unit
- QR code to direct to parts & IOM

Example 11 x17 Wiring Diagram

Maintenance Benefits

- Sequence of Operations/ LED operation diagnostics and notifications
- QR code for service parts on 5 part tag & wiring diagram
- Accessible ECM fan speed adjustment

LED Indicators & Diagnostics

Future Application Readiness

With implementation of the 85 control board series, IEC is paving the road for future modular solutions, including boards and modules for Wi-Fi communication, additional sensors and more!

Product Availability

The 85 Control Board comes standard in the following IEC product families:

- Horizontal Ceiling[+]
- Horizontal & Vertical Hi-Performance[+]
- Vertical Floor*[+]
- Vertical Stack
- Cabinet Heater[+]

* Not available for Stud (STW, STY).
+ Units configured for service switches 30Amp or greater will require a different controls solution.

The 85 Control Board Series is not applicable with line voltage, proportional/ modulating control valves and DDC controls/ customer-furnished controls.

PART NUMBERS

Contact Aftermarket Parts Department for control board replacement parts or retrofit controls installations.

IEC Part Number: I100-90034482
FL-240 Revision 2 (05/2022)

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